Author Index

Ahmad, M., see Bongers, J. (1122) 147

Aoyama, Y., Yoshida, Y., Sonoda, Y. and Sato, Y.
Structural analysis of the interaction between the side-chain of substrates and the active site of lanosterol 14α-demethylase (P-450_{14DM}) of yeast (1122) 251

Asso, M., Guigliarelli, B., Yagi, T. and Bertrand, P.
EPR and redox properties of *Desulfovibrio vulgaris* Miyazaki hydrogenase: Comparison with the Ni-Fe enzyme from *Desulfovibrio gigas* (1122) 50

Balasubramaniam, A., see McLean, L.R. (1122) 317

Barth, P., see Reymann, J.-M. (1122) 1

Barthélémy, M., Péduzzi, J., Bernard, H., Tancrède, C. and Labia, R.
Close amino acid sequence relationship between the new plasmid-mediated extended-spectrum β-lactamase MEN-1 and chromosomally encoded enzymes of *Klebsiella oxytoca* (1122) 15

Baubichon-Cortay, H., Mallet, L., Denoroy, L. and Roux, B.
Histone H1a subtype presents structural differences compared to other histone H1 subtypes. Evidence for a specific motif in the C-terminal domain (1122) 167

Baussant, T., see Bouhnik, J. (1122) 70

Bautista, J.M., Fuentes, J.M., Diez, A., Gutiérrez-Merino, C. and Soler, G.
Unfolding and trypsin inactivation studies reveal a conformation drift of glucose-6-phosphate dehydrogenase upon binding of NADP (1122) 99

Bernard, H., see Barthélémy, M. (1122) 15

Bertrand, P., see Asso, M. (1122) 50

Biellmann, J.-F., see Reymann, J.-M. (1122) 1

Bongers, J., Lambros, T., Ahmad, M. and Heimer, E.P.
Kinetics of dipeptidyl peptidase IV proteolysis of growth hormone-releasing factor and analogs (1122) 147

Bonomi, F., see Long, R.C. (1122) 136

Bouhnik, J., Baussant, T., Savoie, F. and Lesage, S.
Biochemical and physiological studies on two T-kininogen species using monoclonal antibodies (1122) 70

Brockel, C., Cowley, D.J. and Pelton, J.T.
Conformational studies of the 'RGD' containing peptide echistatin and close analogs by circular dichroism and fluorescence (1122) 196

Brodsky, B., see Naresh, M.D. (1122) 161

Burlini, N., Magnani, P., Villa, A., Macchi, F., Tortora, P. and Guerritore, A.
A heat-stable serine proteinase from the extreme thermophilic archaebacterium *Sulfolobus solfataricus* (1122) 283

Caccuri, A.M., Polizio, F., Piemonte, F., Tagliatesta, P., Federici, G. and Desideri, A.
Investigation of the active site of human placenta glutathione transferase π by means of a spin-labelled glutathione analogue (1122) 265

Campos, N.M., see Vander Jagt, D.L. (1122) 256

Chirgadze, N.Y., see Keruchenko, J.S. (1122) 85

Chottard, G., El Ajouz, N. and Herve, G.
Polytungstate binding to metmyoglobin: an access to various structural forms of the protein (1122) 113

Cohen, P., see Daum, G. (1122) 23

Cotterill, S., see Crevel-Thieffry, I. (1122) 107

Cowley, D.J., see Brockel, C. (1122) 196

Cramer, M., see Stochaj, U. (1122) 327

Crevel-Thieffry, I., Cotterill, S. and Schuller, E.
Characterisation of a tryptic peptide from human placental ribonuclease inhibitor which inhibits ribonuclease activity (1122) 107

Cristalli, G., see Lupidi, G. (1122) 311

Dallocchio, F., see Hanau, S. (1122) 273

Daroda, L., see Halford, N.G. (1122) 118

Daum, G., Schmid, B., MacKintosh, C., Cohen, P. and Hofer, H.W.
Characterization of the major phosphofructokinase – dephosphorylating protein phosphatases from *Ascaris suum* muscle (1122) 23

Debrunner, P.G., see Zhang, J.-H. (1122) 293

Denoroy, L., see Baubichon-Cortay, H. (1122) 167

Desideri, A., see Caccuri, A.M. (1122) 265

Diez, A., see Bautista, J.M. (1122) 99

Dreyer, T., see Halford, N.G. (1122) 118

Dugad, L.B. and Goff, H.M.
Proton nuclear Overhauser effect study of the heme active site structure of *Coprinus Macrorhizus* peroxidase (1122) 63

El Ajouz, N., see Chottard, G. (1122) 113

Engstrand, C., Forsman, C., Liang, Z. and Lindskog, S.
Proton transfer roles of lysine 64 and glutamic acid 64 replacing histidine 64 in the active site of human carbonic anhydrase II (1122) 321

Evans, R.A., see Radi, R. (1122) 178

Falasca, M., see Lupidi, G. (1122) 311

Federici, G., see Caccuri, A.M. (1122) 265

Forsman, C., see Engstrand, C. (1122) 321

Fuentes, J.M., see Bautista, J.M. (1122) 99

Fujii, T., Kobayashi, T., Honke, K., Gasa, S., Ishikawa, M., Shimizu, T. and Makita, A.
Proteolytic processing of human lysosomal arylsulfatase A (1122) 93

Fujita, Y., see Matsuyama, S.-i. (1122) 77

Gafni, A., see Plomer, J.J. (1122) 234

Garcia-Quintana, D., Garriga, P. and Manyosa, J.
Study of the structure of arrestin (S-antigen) from bovine photoreceptors by FTIR spectroscopy (1122) 269

Garriga, P., see Garcia-Quintana, D. (1122) 269

Gasa, S., see Fujii, T. (1122) 93

Gladilin, K.L., see Keruchenko, J.S. (1122) 85

Gō, M., see Yoshikawa, K.-i. (1122) 41

Goff, H.M., see Dugad, L.B. (1122) 63

Grifantini, M., see Lupidi, G. (1122) 311

Guerritore, A., see Burlini, N. (1122) 283

Guigliarelli, B., see Asso, M. (1122) 50

Gutiérrez-Merino, C., see Bautista, J.M. (1122) 99

Haezebrouck, P., Noppe, W., Van Dael, H. and Hanssens, I.
Hydrophobic interaction of lysozyme and α-lactalbumin from equine milk whey (1122) 305
Halford, N.G., Tatham, A.S., Sui, E., Daroda, L., Dreyer, T. and Shewry, P.R.
Identification of a novel β-turn-rich repeat motif in the D hordeins of barley (1122) 118
Halling, P.J., see Valivety, R.H. (1122) 143
Hanau, S., Dallocchio, F. and Rippa, M.
NADPH activates a decarboxylation reaction catalysed by lamb liver 6-phosphogluconate dehydrogenase (1122) 273
Hanssens, I., see Haezebrouck, P. (1122) 305
Hartwig, J.H., see Katakami, Y. (1122) 123
Hayashi, H., see Sato, F. (1122) 299
Heimer, E.P., see Bongers, J. (1122) 147
Herve, G., see Chottard, G. (1122) 113
Hofer, H.W., see Daum, G. (1122) 23
Honkakoski, P., Linnala-Kankkunen, A., Usanov, S.A. and Lang, M.A.
Highly homologous cytochromes *P*-450 and b_5: a model to study protein–protein interactions in a reconstituted monooxygenase system (1122) 6
Honke, K., see Fujii, T. (1122) 93
Horiuchi, T., see Yoshikawa, K.-i. (1122) 41
Hotta, Y., see Inoue, H. (1122) 219
Hunsaker, L.A., see Vander Jagt, D.L. (1122) 256

Iizuka, T., see Sato, F. (1122) 299
Inoue, H., Yoshioka, T. and Hotta, Y.
Partial purification and characterization of membrane-associated diacylglycerol kinase of *Drosophila* heads (1122) 219
Ishikawa, M., see Fujii, T. (1122) 93
Itoh, N., Morinaga, N. and Nomura, A.
A variety of catalases and bromoperoxidases in genus *Pseudomonas* and their characterization (1122) 189

Janmey, P.A., see Katakami, Y. (1122) 123
Jaquinod, M., see Reymann, J.-M. (1122) 1
Jr., D.M.K., see Long, R.C. (1122) 136

Kaneko, M., Kontani, Y., Kikugawa, M. and Tamaki, N.
Inhibition of D-3-aminoisobutyrate–pyruvate aminotransferase by 5-fluorouracil and α-fluoro-β-alanine (1122) 45
Kanno, C., see Kim, D.H. (1122) 203
Katakami, N., see Katakami, Y. (1122) 123
Katakami, Y., Katakami, N., Janmey, P.A., Hartwig, J.H. and Stossel, T.P.
Isolation of the phosphatidylinositol 4-monophosphate dissociable high-affinity profilin-actin complex (1122) 123
Kataoka, M., Sakai, H., Morikawa, T., Katoh, M., Miyoshi, T., Shimizu, S. and Yamada, H.
Characterization of aldehyde reductase of *Sporobolomyces salmonicolor* (1122) 57
Katoh, M., see Kataoka, M. (1122) 57
Keruchenko, I.D., see Keruchenko, J.S. (1122) 85
Keruchenko, J.S., Keruchenko, I.D., Gladilin, K.L., Zaitsev, V.N. and Chirgadze, N.Y.
Purification, characterization and preliminary X-ray study of fumarase from *Saccharomyces cerevisiae* (1122) 85
Kikugawa, M., see Kaneko, M. (1122) 45
Kim, C.-H., Kwon, S.-T., Taniguchi, H. and Lee, D.-S.
Proteolytic modification of raw-starch-digesting amylase from *Bacillus circulans* F-2 with subtilisin: separation of the substrate-hydrolytic domain and the raw substrate-adsorbable domain (1122) 243
Kim, D.H., Kanno, C. and Mizokami, Y.
Purification and characterization of major glycoproteins, PAS-6 and PAS-7, from bovine milk fat globule membrane (1122) 203
Kim, S., see Rajpurohit, R. (1122) 183
Kobayashi, T., see Fujii, T. (1122) 93
Koga, H., see Yoshikawa, K.-i. (1122) 41
Kontani, Y., see Kaneko, M. (1122) 45
Korpela, T., see Mattsson, P. (1122) 33
Kurtz, Jr., D.M., see Zhang, J.-H. (1122) 293
Kwon, S.-T., see Kim, C.-H. (1122) 243

Labia, R., see Barthélémy, M. (1122) 15
Lambros, T., see Bongers, J. (1122) 147
Lang, M.A., see Honkakoski, P. (1122) 6
Law, D.J. and Tidball, J.G.
Identification of a putative collagen-binding protein from chicken skeletal muscle as glycogen phosphorylase (1122) 225
Lee, D.-S., see Kim, C.-H. (1122) 243
Lesage, S., see Bouhnik, J. (1122) 70
Levashov, A.V., see Pshezhetsky, A.V. (1122) 154
Liang, Z., see Engstrand, C. (1122) 321
Lindskog, S., see Engstrand, C. (1122) 321
Linnala-Kankkunen, A., see Honkakoski, P. (1122) 6
Long, R.C., Zhang, J.-H., Jr., D.M.K., Negri, A., Tedeschi, G. and Bonomi, F.
Myohemerythrin from the sipunculid, *Phascolopsis gouldii*: purification, properties and amino acid sequence (1122) 136
Lupidi, G., Marmocchi, F., Falasca, M., Venardi, G., Cristalli, G., Grifantini, M., Whitehead, E. and Riva, F.
Adenosine deaminase from *Saccharomyces cerevisiae*: kinetics and interaction with transition and ground state inhibitors (1122) 311

Macchi, F., see Burlini, N. (1122) 283
MacKintosh, C., see Daum, G. (1122) 23
Macrae, A.R., see Valivety, R.H. (1122) 143
Magnani, P., see Burlini, N. (1122) 283
Makita, A., see Fujii, T. (1122) 93
Mallet, L., see Baubichon-Cortay, H. (1122) 167
Mannherz, H.G., see Stochaj, U. (1122) 327
Manyosa, J., see Garcia-Quintana, D. (1122) 269
Marmocchi, F., see Lupidi, G. (1122) 311
Matsuyama, S.-i., Fujita, Y., Sagara, K. and Mizushima, S.
Overproduction, purification and characterization of SecD and SecF, integral membrane components of the protein translocation machinery of *Escherichia coli* (1122) 77
Mattsson, P., Pohjalainen, T. and Korpela, T.
Chemical modification of cyclomaltodextrin glucanotransferase from *Bacillus circulans* var. *alkalophilus* (1122) 33
McLean, L.R. and Balasubramaniam, A.
Promotion of β-structure by interaction of diabetes associated polypeptide (amylin) with phosphatidylcholine (1122) 317
Miyoshi, T., see Kataoka, M. (1122) 57
Mizokami, Y., see Kim, D.H. (1122) 203
Mizushima, S., see Matsuyama, S.-i. (1122) 77
Morikawa, T., see Kataoka, M. (1122) 57
Morinaga, N., see Itoh, N. (1122) 189

Naresh, M.D. and Brodsky, B.
X-ray diffraction studies on human tendon show age-related changes in collagen packing (1122) 161
Negri, A., see Long, R.C. (1122) 136
Nimmo, H.G., see Rua, J. (1122) 212
Noguti, T., see Yoshikawa, K.-i. (1122) 41
Nomura, A., see Itoh, N. (1122) 189
Noppe, W., see Haezebrouck, P. (1122) 305

Paik, W.K., see Rajpurohit, R. (1122) 183
Parks, D.A., see Radi, R. (1122) 178
Péduzzi, J., see Barthélémy, M. (1122) 15
Peilow, A.D., see Valivety, R.H. (1122) 143

Pelton, J.T., see Brockel, C. (1122) 196
Piemonte, F., see Caccuri, A.M. (1122) 265
Plomer, J.J. and Gafni, A.
Denaturation of glucose-6-phosphate dehydrogenase from *Leuconostoc mesenteroides* by guanidine hydrochloride; identification of inactive, partially unfolded, dimeric intermediates (1122) 234
Pohjalainen, T., see Mattsson, P. (1122) 33
Polizio, F., see Caccuri, A.M. (1122) 265
Prodanov, E., see Radi, R. (1122) 178
Pshezhetsky, A.V., Levashov, A.V. and Wiederschain, G.Y.
Regulation of the G_{M1}-galactosidase supramolecular structure and catalytic activity in vitro (1122) 154

Radi, R., Tan, S., Prodanov, E., Evans, R.A. and Parks, D.A.
Inhibition of xanthine oxidase by uric acid and its influence on superoxide radical production (1122) 178
Rajpurohit, R., Paik, W.K. and Kim, S.
Enzymatic methylation of heterogeneous nuclear ribonucleoprotein in isolated liver nuclei (1122) 183
Reymann, J.-M., Rondeau, J.-M., Barth, P., Jaquinod, M., Van Dorsselaer, A. and Biellmann, J.-F.
Purification and electrospray mass spectrometry of aldose reductase from pig lens (1122) 1
Rippa, M., see Hanau, S. (1122) 273
Riva, F., see Lupidi, G. (1122) 311
Robertson, A.G.S., see Rua, J. (1122) 212
Rondeau, J.-M., see Reymann, J.-M. (1122) 1
Roux, B., see Baubichon-Cortay, H. (1122) 167
Rua, J., Robertson, A.G.S. and Nimmo, H.G.
Identification of the histidine residue in *Escherichia coli* isocitrate lyase that reacts with diethylpyrocarbonate (1122) 212

Sagara, K., see Matsuyama, S.-i. (1122) 77
Sakaguchi, Y., see Sato, F. (1122) 299
Sakai, H., see Kataoka, M. (1122) 57
Sato, F., Sakaguchi, Y., Hayashi, H., Iizuka, T. and Shiro, Y.
Effect of NaCl addition on nanosecond O_2 escaping reaction of myoglobin: evidences for the transition of myoglobin dynamic structure at 20°C (1122) 299
Sato, Y., see Aoyama, Y. (1122) 251
Savoie, F., see Bouhnik, J. (1122) 70
Scaletti, J.V., see Vander Jagt, D.L. (1122) 256
Schmid, B., see Daum, G. (1122) 23
Schuller, E., see Crevel-Thieffry, I. (1122) 107
Shewry, P.R., see Halford, N.G. (1122) 118
Shimizu, S., see Kataoka, M. (1122) 57
Shimizu, T., see Fujii, T. (1122) 93
Shiro, Y., see Sato, F. (1122) 299
Soler, G., see Bautista, J.M. (1122) 99
Sonoda, Y., see Aoyama, Y. (1122) 251
Stochaj, U., Cramer, M. and Mannherz, H.G.
Limited proteolysis of chicken gizzard 5′-nucleotidase (1122) 327
Stossel, T.P., see Katakami, Y. (1122) 123
Sui, E., see Halford, N.G. (1122) 118

Tagliatesta, P., see Caccuri, A.M. (1122) 265
Takase, K.
Interaction of catalytic-site mutants of *Bacillus subtilis* α-amylase with substrates and acarbose (1122) 278
Tamaki, N., see Kaneko, M. (1122) 45
Tan, S., see Radi, R. (1122) 178
Tancrède, C., see Barthélémy, M. (1122) 15
Taniguchi, H., see Kim, C.-H. (1122) 243
Tatham, A.S., see Halford, N.G. (1122) 118
Tedeschi, G., see Long, R.C. (1122) 136
Tidball, J.G., see Law, D.J. (1122) 225
Tortora, P., see Burlini, N. (1122) 283
Tsujimura, M., see Yoshikawa, K.-i. (1122) 41

Usanov, S.A., see Honkakoski, P. (1122) 6

Valivety, R.H., Halling, P.J., Peilow, A.D. and Macrae, A.R.
Lipases from different sources vary widely in dependence of catalytic activity on water activity (1122) 143
Van Dael, H., see Haezebrouck, P. (1122) 305
Vander Jagt, D.L., Hunsaker, L.A., Campos, N.M. and Scaletti, J.V.
Localization and characterization of hemoglobin-degrading aspartic proteinases from the malarial parasite *Plasmodium falciparum* (1122) 256
Van Dorsselaer, A., see Reymann, J.-M. (1122) 1
Venardi, G., see Lupidi, G. (1122) 311
Villa, A., see Burlini, N. (1122) 283

Whitehead, E., see Lupidi, G. (1122) 311
Wiederschain, G.Y., see Pshezhetsky, A.V. (1122) 154

Xia, Y.-M., see Zhang, J.-H. (1122) 293

Yagi, T., see Asso, M. (1122) 50
Yamada, H., see Kataoka, M. (1122) 57
Yasukochi, T., see Yoshikawa, K.-i. (1122) 41
Yoshida, Y., see Aoyama, Y. (1122) 251
Yoshikawa, K.-i., Noguti, T., Tsujimura, M., Koga, H., Yasukochi, T., Horiuchi, T. and Gō, M.
Hydrogen bond network of cytochrome *P*-450_{cam}: a network connecting the heme group with helix K (1122) 41
Yoshioka, T., see Inoue, H. (1122) 219

Zaitsev, V.N., see Keruchenko, J.S. (1122) 85
Zhang, J.-H., Kurtz, Jr., D.M., Xia, Y.-M. and Debrunner, P.G.
Conversion of non-functional to functional iron following reconstitution of hemerythrin (1122) 293
Zhang, J.-H., see Long, R.C. (1122) 136